

Temperature

Explosion Proof Temperature Switches

Series T1X, T2X, L1X

Features

- ▶ Explosion-proof for hazardous locations
- ▶ High accuracy
- ▶ Remote, local or ambient sensing
- ▶ UL, CSA & ATEX approved
- ▶ NEMA 4, 7, 9 & IP66

Applications

- ▶ Oil & gas
- ▶ Heat tracing
- ▶ Printing machinery
- ▶ Compressors
- ▶ Process equipment
- ▶ Machine tools and industrial equipment



General Specifications*

Accuracy: (Repeatability)	±1% of mid-60% of full range. At constant ambient +/- 0.5% of full scale. (Knob indication is reference only)
Switch: Single Setting:	One (1) single pole double throw (SPDT) circuit.
Dual Setting:	Two (2) independent single pole double throw (SPDT) circuits.
Electrical Characteristics:	All models incorporate Underwriters' Laboratories, Inc. and CSA listed single pole double throw snap-action switching elements. Switches may be wired normally open or normally closed.
Wetted Parts:	304 stainless steel
Electrical Connection:	Single: 3-pin terminal strip Dual: 6-pin terminal strip
Electrical Ratings:	AC value at 75% power factor —10 amps 125, 250 volts AC, 3 amps 480 volts AC. Automatically reset by snap-action of switch.
Enclosure/Housing:	Class I, Division 1 & 2 NEMA 4, 7, & 9 Tamper-proof external adjustment, enclosed terminal strip.

Local Mount:	Immersion length 2-1/16 inches
Bulb & Capillary:	6 foot length standard.
Approvals:	Underwriters' Laboratories, Inc. and Canadian Standard Assoc. are listed under Temperature indicating and regulating equipment, for use in hazardous locations, Class I, Groups B, C and D; Class II, Groups E, F and G.
UL (standard):	File No. E58658, Guide No. XBDV
CSA (standard):	File No. LR34556, Guide 400-E-O.8. Class 4868.
ATEX (optional):	EX models are ATEX marked as follows: CE 0081, ISSeP 08 ATEX024X II 2 G D, Ex db II C T6 Gb Ex tb IIIC T80°C Db IP66 -40°C ≤ Tamb ≤ +75°C
Temperature Range:	See product configurator
Adjustment:	Tamper resistant external adjustment. Turn knob clockwise to increase setpoint. (Knob indication is reference only)
Standard Options/Modifications:	For thermowells, split nuts and union connections, see accessory pages.
Weight:	Single - approximate 4.0 lbs. Dual - approximate 4.5 lbs.

* See Product Configurator for additional options.

Wiring Code

Lead	Circuit #1	Circuit #2
Normally Closed	Blue	Orange
Common	Purple	Brown
Normally Open	Red	Yellow

Wiring Diagram



